



Glossary of Acronyms and Terms (GOAT)



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GLOSSARY OF ACRONYMS AND TERMS (GOAT)

Abbreviations can often be used to serve a useful and acceptable purpose. However, good judgment must be used in determining where and when they should be used. Within the military service there are many terms and abbreviations which are unique to the craft. It is not expected that we know all these terms, but as they are encountered we should become familiar with their meaning. The following list covers many of the more common terms and abbreviations. Joint terms are underlined.

<u>A2C2</u>	Army Airspace Command and Control
AA	Air to Air
<u>AAA</u>	Antiaircraft Artillery
AAC	Antiaircraft Control (Net) Aircraft Armament Change
<u>AADC</u>	Area Air Defense Commander
AAI	Antiaircraft Intelligence (Net)
AAM	Air to Air Missile
<u>AAW</u>	Antiair Warfare
<u>AAWC</u>	Antiair Warfare Commander (USN)
<u>ABCCC</u>	Airborne Battlefield Command and Control Center
ABF	Attack By Fire Annular Blast Fragmentation
<u>ACA</u>	Airspace Coordination Area Airspace Control Area <u>Airspace Control Authority</u>

<u>ACC</u>	<u>Air Combat Command</u> <u>Air Component Commander</u> <u>Area Coordination Center</u>
<u>ACE</u>	Aviation Combat Element
ACEOI	Automated Communications Electronics Operating Instruction
ACFT	Aircraft
ACI	Airborne Control Intercept
ACLOS	Automatic Command Line of Sight
ACLS	Automatic Carrier Landing System
ACM	Air Combat Maneuver
<u>ACO</u>	Airspace Control Order
<u>ACP</u>	Airspace Control Plan
ACT	Air Combat Training Aircrew Coordination Training
AD	Aerial Delivery
ADA	Air Defense Alert (Net) <u>Air Defense Artillery</u> <u>Air Defense Area</u>
ADAM	Anti-Personnel Mine
ADCCN	Air Defense Command & Control Net
ADS	Airspace Deconfliction System
<u>AEW</u>	Airborne Early Warning
AFATDS	Advanced Field Artillery Tactical Data System
AFL	Assault Flight Leader

AFLD	Airfield
<u>AGL</u>	Above Ground Level
A/G	Air to Ground
AGM	Air-to-Ground Missile
AGS	Aviation Ground Support
AHC	Attack Helicopter Commander
AI	Airborne Interceptor
AIC	Air Intercept Controller
AIM	Air Intercept Missile
AIO	Air Intelligence Officer
AIS	Airborne Instrumentation Subsystem
AIZ	Air Intercept Zone
ALLTU	All Light Level Television
<u>ALO</u>	Artillery Liaison Officer <u>Air Liaison Officer</u> (USAF)
ALT	Altitude
ALTRV	Altitude Reservation
AM	Amplitude Modulation
AMC	Air Mission Commander <u>Air Mobility Command</u>
<u>AMRAAM</u>	Advanced Medium Range Air to Air Missile
AMSL	Above Mean Sea Level
AMTI	Airborne Moving Target Indicator
ANGLICO	No Longer Used (see Marine Liaison Group)
ANVIS	Aviator Night Vision Imaging System

<u>AO</u>	Aerial Observer <u>Air Officer</u> <u>Area of Operation</u>
<u>AOA</u>	Amphibious Objective Area
<u>AOB</u>	Air Order of Battle <u>Advanced Operations Base</u>
<u>AOC</u>	<u>Air Operations Center</u> (USAF) Air Operations Control (Net)
<u>AOI</u>	Area of Influence/Interest
<u>AOR</u>	Area of Responsibility (JFC only)
AOTD	Active Optical Target Detector
APC	Armored Personnel Carrier
APF	Aircraft Parachute Flare
API	Armor Piercing Incendiary
APU	Auxiliary Power Unit
AR	Aerial Refueling Area of Responsibility Armed Reconnaissance
ARBS	Angle Rate Bombing System
ARCP	Aerial Refueling Control Point
ARCT	Aerial Refueling Control Time
AREC	Air Resource Element Coordinator (USN) Armed Reconnaissance
ARG	Amphibious Ready Group
ARIP	Aerial Refueling Initial Point
ARM	Antiradiation Missile

Armstrong	Arm Ordnance
ARTY	Artillery
ASC (A)	Assault Support Coordinator (Airborne)
ASE	Aircraft Survivability Equipment Air Support Element
ASL	Azimuth Steering Angle
ASLT	Air Support Liaison Team
ASM	Air-to-Surface Missile
ASO	Air Surveillance Officer (USAF)
ASOC	Air Support Operations Center (USAF)
ASP	Academic Support Package
ASR	Assault Support Request
ASW	Antisubmarine Warfare
AT	Anti-Tank
ATA	Actual Time of Arrival
ATACMS	Army Tactical Missile System
ATARS	Advanced Tactical Aerial Reconnaissance System
ATBM	Anti-Tactical Ballistic Missile
ATC	Air Traffic Control
ATCF	Air Traffic Control Facility
ATDL-1	Army Tactical Data Link-1
<u>ATDS</u>	Airborne Tactical Data System (E-2)

<u>ATF</u>	Amphibious Task Force
ATGM	Antitank Guided Missile
<u>ATO</u>	Air Tasking Order
AWACS	Airborne Warning And Control System (E-3)
<u>AWADS</u>	Adverse Weather Aerial Delivery System
AWC	Assistant Weapons Controller
AWLS	All Weather Landing System
BAI	Battlefield Air Interdiction
Bald Eagle	Quick reaction helicopterborne company
Bandit	Known enemy aircraft, does not necessarily imply clearance to fire.
BARCAP	Barrier Combat Air Patrol
BCP	Battery Command Post
BCD	Battlefield Coordination Detachment (USA)
<u>BDA</u>	Battle Damage Assessment
BDU	Bomb Dummy Unit
<u>BDZ</u>	Base Defense Zone
BI	Battlefield Illumination
Bingo	Fuel Required for ACFT RTB
Blind	Refers to negative visual contact with wingman or other members of flight.
<u>BLS</u>	Beach Landing Site
<u>BLT</u>	Battalion Landing Team
BLU	Bomb Live Unit

BMNT	Beginning of Morning Nautical Twilight
Bogey	Radar or visual contact which is unidentified but assumed to be hostile.
BP	Battle Position
BRU	Bomb Release Unit
Bump Plan	A contingency plan to replace pilots or aircraft in the event an aircraft goes down
Buzzer	Slang for electronic jamming
BVR	Beyond Visual Range
<u>C2 W</u>	Command and Control Warfare
C3	Command, Control and Communications
C3I	Command, Control, Communications and Intelligence
C4I	Command, Control, Communications, Computers, and Intelligence
C4ISR	Command, Control, Communications, Computers, and Intelligence, Surveillance, and Reconnaissance
CA	Command Action (Net)
CAFMS	Computer Assisted Force Management System
<u>CAOC</u>	Combined Air Operations Center
CAP	Combat Air Patrol
<u>CAS</u>	Close Air Support
CASEVAC	Casualty Evacuation
<u>CATF</u>	Commander Amphibious Task Force
CBR	Chemical, Biological, & Radiological
CBU	Cluster Bomb Unit

CBW	Chemical Biological Warfare
CCI	Carrier Controlled Intercept
CCIP	Continuously Computed Impact Point
CCIR	Commanders Critical Intelligence Requirements
CCM	Counter Counter Measures
CCS	Command and Control Subsystem
<u>C-Day</u>	The unnamed day on which a deployment operation commences or is to commence. The deployment may be movement of troops, cargo, weapon systems, or a combination of these elements using any or all types of transport.
<u>CE</u>	Command Element
<u>CEP</u>	Circular Error Probable. The radius of a circle into which 50% of missile/bombs/shells will fall; measure of accuracy of a weapon system
CEO	Communications Electronic Officer
CEOI	Communications Electronics Operating Instruction
CFL	Coordinated Fire Line
CFR	Crash Fire Rescue
Chattermark	Overcoming enemy communications jamming by switching frequencies using a prebriefed frequency rotation plan.
<u>CI</u>	Counter Intelligence
<u>CIC</u>	Combat Information Center
CI/D	Combat Information/Detection (Net)
CINCLANTFLT	Commander-in-Chief, Atlantic Fleet
CINCPACFLT	Commander-in-Chief, Pacific Fleet

CIT	Counterintelligence Team
C _L	Coefficient of Lift
<u>CLF</u>	Commander Landing Force
CM	Counter Measures
CMCC	Classified Material Control Center
CMS	Communications Security Material System
CNX/CANX	Cancel
COC	Combat Operations Center
COMMARFORLANT	Commander Marine Forces Atlantic
COMMARFORPAC	Commander Marine Forces Pacific
<u>COMINT</u>	Communications Intelligence
<u>COMSEC</u>	Communications Security
<u>CONUS</u>	Continental United States
COP	Common Operational Picture
COTS	Commercial Off The Shelf
<u>CP</u>	<u>Control Point</u> Contact Point Command Post
CRC	Control and Reporting Center
CRCC	Combined Rescue Coordination Center
CRE	Control and Reporting Element
CRP	Combat Readiness Percentage
<u>CSAR</u>	Combat Search and Rescue
CSP	Contingency Support Package

<u>CSSE</u>	Combat Service Support Element
CSS	Contingency Support Study Combat Service Support
CTT	Commanders Tactical Terminal
<u>CV</u>	Conventionally Powered Aircraft Carrier
CVBG	Carrier Battle Group
<u>CVN</u>	Nuclear Powered Aircraft Carrier
CVW	Carrier Air Wing
CW	Continuous Wave
CWAR	Continuous Wave Acquisition Radar
CWC	Composite Warfare Commander (USN)
<u>DA</u>	Direct Action
DACT	Dissimilar Air Combat Training (ACT involving different types of aircraft, e.g., F-18 vs F-5) Data Automated Communications Terminal
DARE	Directed Area for Recovery of Evaders
DAS	Direct Air Support Direct Air Support (Net) Deep Air Support Direct Access Service
DASC	Direct Air Support Center
DASC(A)	Direct Air Support Center (Airborne)
DCT	Digital Communications Terminal
<u>D-Day</u>	The unnamed day on which a particular operation commences or is to commence.
DDN	Defense Data Network

DDS	Display and Debriefing Subsystem
DECM	Defensive Electronic Countermeasures
<u>DEFCON</u>	Defense Readiness Condition
DEFTAC	Defensive Tactics
DF	Direction Finding
DIA	Defense Intelligence Agency
DIAM	Defense Intelligence Agency Manual
DIPFAC	Diplomatic Facility Graphic
DISUM	Daily Intelligence Summary
DLAN	Deployed Local Area Network
DLIR	Downward Looking Infrared
DM	Defensive Measures
DME	Distance Measuring Equipment
DMT	Dual Mode Tracker
DPICM	Dual Purpose Improved Conventional Munitions
DR	Dead Reckoning
DRT	Down Range Travel
DS	Direct Support
DSCS	Defense Satellite Communications System
DSN	Defense Switched Network
DTG	Date-Time-Group
DTM	Data Transfer Module
DVO	Direct View Optics

DWAN	Deployed Wide Area Network	
DZ	Drop Zone	
<u>EA</u>	<u>Electronic Attack</u> Engagement Area	
EAF	Expeditionary Airfield	
ECC	Evacuation Control Center	
E&E	Escape & Evasion	
EENT	End of Evening Nautical Twilight	
<u>EEFI</u>	Essential Elements of friendly Information Escort Flight Leader	EFL
EID	Electronic Identification	
<u>ELINT</u>	Electronic Intelligence	
E-M	Energy Maneuverability	
<u>EMCON</u>	Emission Control	
<u>EMI</u>	Electromagnetic Interference	
EMP	Electro Magnetic Pulse	
ENRTE	Enroute	
EO/EOCM	Electro-optics/Electro-optical Countermeasures	
EOB	Electronic Order of Battle Enemy Order of Battle	
EOCM	Electro Optical Countermeasures	
EOTDA	Electro-Optical Tactical Decision Aid	
EP	Electronic Protection	
EPLRS	Enhanced Position Location Reporting System	

EPW	Enemy Prisoner of War
ERU	Ejector Rack Unit
<u>ES</u>	Electronic Warfare Support
E _s	Specific Energy
ESC	Electronic Security Command
ETA	Estimated Time of Arrival
ETE	Estimated Time Enroute
EVM	Evasive Maneuver
<u>EW</u>	<u>Electronic Warfare</u> Early Warning
EW/C	Early Warning and Control
EWCC	Electronic Warfare Coordination Center
EWO	Electronic Warfare Officer (USAF)
EWRT	Early Warning Radar Team
F	Flash
FAAD	Forward Area Air Defense (USA)
FAAWC	Force Antiair Warfare Commander (USN)
FAC	Forward Air Controller
FAC(A)	Forward Air Controller (Airborne)
FACS FAC	Fleet Area Control and Surveillance Facility
FACP	Forward Air Control Post (USAF)
FAD	Fighter Air Direction (Net)
FAE	Fuel Air Explosive
FARP	Forward Arming and Refueling Point

FASCAM	Family of Scatterable Mines
FAX	Facsimile
FBH	Force Beach Head
FCE	Forward Command Element
FDC	Fire Direction Center
FDO	Fire Direction Officer
<u>FEBA</u>	Forward Edge of the Battle Area
<u>FEZ</u>	Fighter Engagement Zone
FFA	Free Fire Area
FFCC	Force Fires Coordination Center
FFIR	Friendly Force Information Requirement
FIC	Fleet Intelligence Center
FIIU	Force Imagery Interpretation Unit
FIWC	Fleet Information Warfare Center
FLIR	Forward Looking Infrared
<u>FLOT</u>	Forward Line of Own Troops
FM	Frequency Modulation
FO	Forward Observer
<u>FOB</u>	<u>Forward Operating Base</u> Friendly Order of Battle
FOD	Foreign Object Damage
FOE	Focus of Effort
FOR	Field Of Regard

FORCAP	Force Combat Air Patrol
FOUO	For Official Use Only
FOV	Field Of View
FOX-1	Radar Guided Missile shot (Example: AIM-7)
FOX-2	Infrared Guided Missile shot (Example: AIM-9)
FOX-3	Active Missile shot (Example: AMRAAM)
FM	Frequency Modulation
FROG	Free Rocket Over Ground
FRS	Fleet Replacement Squadron
FSC	Fire Support Coordinator
<u>FSCC</u>	Fire Support Coordination Center
<u>FSCCL</u>	Fire Support Coordination Line
FSCM	Fire Support Coordination Measures
FWAR	Fixed Wing Aerial Refueling
GAIL	Glide Angle Indicator Light (GAIL) System
GB	Gigabyte
GBAD	Ground Based Air Defense
GBDL	Ground Based Data Link
GBS	Global Broadcast System
GBU	Guided Bomb Unit
GCA	Ground Controlled Approach
GCBS	Ground Controlled Bombing System
GCCS	Global Command and Control System

<u>GCE</u>	Ground Combat Element
GCG	Guidance and Control Group
GCI	Ground Control Intercept
GCS	Ground Control Station
GENSER	General Service
GHS	Gunner Helmet Sight
GHz	Gigahertz
GMF	Ground Mobile Forces
GMT	Greenwich Mean Time (Zulu)
GOB	Ground Order of Battle
GOPLAT	Gas/Oil Platform
GP	General Purpose
GPS	Global Positioning System
GS	General Support
GSE	Ground Support Equipment
GTL	Gun Target Line
HA	Holding Area
HAC	Helicopter Aircraft Commander
HAHO	High Altitude High Opening Parachute Delivery
<u>HALO</u>	High Altitude Low Opening Parachute Delivery
HAO	Humanitarian Assistance Operation
HAR	Helicopter Aerial Refueling
HARM	High Speed Antiradiation Missile

HAT	Helicopter Availability Table
HAZMAT	Hazardous Material
HCS	Helicopter Coordination Section
HCZ	Helicopter Control Zone
HD	Helicopter Direction (Net) Helicopter Director
HDC	Helicopter Direction Center (USN)
HDU	Helmet Display Unit
HDZ	Helicopter Drop Zone
HE	High Explosive
HEALT	Helicopter Employment and Assault Landing Table
HEAT	High Explosive Anti-Tank
HEDP	High Explosive Dual Purpose
HEI	High Explosive Incendiary
HERO	Hazards of Electromagnetic Radiation to Ordnance
HERS	Helicopter Expedient Refueling System
HF	High Frequency
<u>H-Hour</u>	The specific time at which an operation/exercise commences or is due to commence. The specific hour on D-Day at which a particular operation commences.
<u>HIDACZ</u>	High Density Airspace Control Zone
<u>HIMEZ</u>	High Altitude Missile Engagement Zone
HLA	Helicopter Landing Area
HLZ	Helicopter Landing Zone

HMD DASC	High Mobility Downsized Direct Air Support Center
HMH	Marine Heavy Helicopter Squadron
HML/A	Marine Light Attack Helicopter Squadron
HMM	Marine Medium Helicopter Squadron
HMMS	Hellfire Modular Missile System
HMMWV	High mobility multi-purpose wheeled vehicle
HNVS	Helicopter Night Vision System (CH-53)
Hostile	A known threat Aircraft: implies clearance to fire
HOTAS	Hands On Throttle And Stick
HR	Helicopter Request (Net)
HST	Helicopter Support Team
HUC	Helicopterborne Unit Commander
HUD	Heads-up Display
HUMINT	Human Intelligence; collection by agents
HVA	High Value Asset
HVAA	High Value Airborne Asset
HWSAT	Helicopter Wave and Serial Assignment Table
I	Immediate
IADS	Integrated Air Defense System
IAS	Intelligence Analysis System
ICAO	International Civil Aviation Organization
ICBM	Intercontinental Ballistic Missile

ICO	Interface Coordination Officer Interface Control Officer
ICU	Interface Control Unit
IDENT	To identify by means of a transponder code
IEEE	Institute of Electrical and Electronic Engineers
<u>IFF</u>	Identification Friend or Foe
IFOV	Instantaneous Field Of View
IFR	Instrument Flight Rules
IFSAS	Initial Fire Support Automation System
IHR	In-extremis Hostage Rescue
IJMS	Interim JTIDS Message Specification
ILV	Improved Low Visibility
<u>IMC</u>	Instrument Meteorological Conditions (See IFR)
<u>IMINT</u>	Imagery Intelligence
INS	Inertial Navigation System
INTREP	Intelligence Report
INTSUM	Intelligence Summary
<u>IOC</u>	Initial Operational Capability
IOM	Install, Operate, and Maintain
IOW	Intelligence Operations Workstation
IP	Initial Point
<u>IPB</u>	Intelligence Preparation of the Battlespace
IR	Infrared
IRAAM	Infrared Guided Air to Air Missile

IRAD	Infrared Acquisition Display System
IRBM	Intermediate Range Ballistic Missile
IRCM	Infrared Countermeasures
IRCCM	Infrared Counter Counter Measures
IRSTS	Infrared Search and Track Set
ISMO	Information Security Management Officer
ISOPREP	Isolated Personnel Report
IT/ITT	Interrogator/Interrogator Translator Team
ITER	Improved Triple Ejector Rack
ITG	Initial Terminal Guidance
IW	Information Warfare
IWO	Intelligence Watch Officer
I&W	Indications and Warning
IZLID	Infrared Zoom Laser Identifier/Designator
JAAT	Joint Air Attack Team
Jamming	The deliberate radiation of electromagnetic energy with the object of degrading the use of the enemy's electronic equipment
JADO	Joint Air Defense Operations
<u>JAOC</u>	Joint Air Operations Center
JATF	Joint Amphibious Task Force
JATO	Jet-assisted Takeoff
JCCC	Joint Communications Control Center
JCSE	Joint Communications Support Element

JCS	Joint Chiefs of Staff
JEAP	Joint Electronic Analysis Program
<u>JDAM</u>	Joint Direct Attack Munitions
<u>JDISS</u>	Joint Deployable Intelligence Support System
<u>JEZ</u>	Joint Engagement Zone
<u>JFACC</u>	Joint Force Air Component Commander
<u>JFC</u>	Joint Force Commander
<u>JIC</u>	Joint Intelligence Center
Jink	The random motion of an aircraft (up/down and left/right) in order to avoid enemy fire
<u>JINTACCS</u>	Joint Interoperability of Tactical Command and Control Systems
<u>JIPTL</u>	Joint Integrated Prioritized Target List
<u>JMEMs</u>	Joint Munitions Effectiveness Manuals
<u>JMCIS</u>	Joint Maritime Command Information System
<u>JMPS</u>	Joint Mission Planning Segment
JOG (A,G,R)	Joint Operations Graphic (Scale 1:250,000) (A=Air, G=Ground, R=Radar)
<u>JOPES</u>	Joint Operation Planning and Execution System
<u>JOTS</u>	Joint Operational Tactical System
<u>JSIPS</u>	Joint Source Imagery Processing System
<u>JSOW</u>	Joint Standoff Weapon
<u>JSRC</u>	Joint Search and Rescue Center
<u>JSTARS</u>	Joint Surveillance Target Attack Radar System

<u>JTADS</u>	Joint Tadi-A Distribution Systems
<u>JTAO</u>	Joint Tactical Air Operations
<u>JTAR</u>	Joint Tactical Airstrike Request Joint Tactical Airlift Request
<u>JTARS</u>	Joint Tactical Air Reconnaissance/Surveillance Request
<u>J-TENS</u>	Joint Service Tactical Exploitation of National Systems
<u>JTF</u>	Joint Task Force
<u>JTIDS</u>	Joint Tactical Information Distribution System
JTT	Joint Tactical Terminal
KIAS	Knots Indicated Air Speed
Knot	Nautical mile per hour
Knock it off	Immediately cease all training and proceed as briefed or return to base.
LAAD BN	Low Altitude Air Defense Battalion
LAE	Lead Angle Error
LAN	Local Area Network
LAR	Light Armored Reconnaissance
<u>LASINT</u>	Laser Intelligence
LAT	Low Altitude Tactics
LAV	Light Armored Vehicle
LCOS	Lead Computing Optical Sight
LDGP	Low Drag General Purpose (Bomb)
LDRS	Laser Designating & Ranging System
LDS	Laser Detecting Set

LEASAT	Leased Satellite
LED	Light Emitting Diode
LF	Landing Force Low Frequency
LFOC	Landing Force Operations Center
LFSP	Landing Force Support Party
LGB	Laser-guided bomb
LGTR	Laser Guided Training Round
LGW	Laser Guided Weapon
LHA	Amphibious Assault Ship (General Purpose)
LHD	Amphibious Assault Ship (Multi Purpose)
<u>L-Hour</u>	The time at which the first helicopter of the helicopterborne assault wave touches down in the landing zone. <u>The specific hour on C-Day at which a deployment operation commences or is to commence.</u>
<u>LIC</u>	Low Intensity Conflict
LIF	Light Interference Filter
LLLTV	Low Light Level Television
LOAL	Lock On After Launch
<u>LOC</u>	Lines of Communication (roads, railroads, canals, etc)
LOBL	Lock On Before Launch
LOD	Line of Departure
LOI	Letter Of Instruction
<u>LOMEZ</u>	Low Altitude Missile Engagement Zone

LOS	Line of Sight
LLTR	Low Level Transit Route
LPD	Amphibious Transport Dock Ship
LPI	Low Probability of Intercept
LRD	Laser Range Designator
LRF	Laser Range Finder
LST	Laser Spot Tracker
LZ	Landing Zone
LZCT	Landing Zone Control Team
<u>MAAP</u>	Master Air Attack Plan
<u>MACCS</u>	Marine Air Command and Control System
<u>MACG</u>	Marine Air Control Group
Mach	The speed of sound
<u>MACS</u>	Marine Air Control Squadron
MAD	Magnetic Anomaly Detector
MAFC	Marine All-Source Fusion Center
<u>MAG</u>	Marine Aircraft Group
<u>MAGTF</u>	Marine Air Ground Task Force
MALS	Marine Aviation Logistics Squadron
MANPADS	Man Portable Air Defense Systems
MAP	Minimum Attack Perimeter
<u>MARLO</u>	Marine Liaison Officer
<u>MASS</u>	Marine Air Support Squadron

MATCALS	Marine Air Traffic Control and Landing System
MATCD	Marine Air Traffic Control Detachment
MAW	Marine Aircraft Wing
MBA	Main Battle Area
MBT	Main Battle Tank
MCA	Mission Coordination Area
MC	Missile Controller (TAOC) Mission Commander
MC and G	Mapping Charting and Geodesy
MCAT	Mechanized Combined Arms Team
MCCRES	Marine Corps Combat Readiness Evaluation System
MCDP	Marine Corps Doctrinal Publication
MCE	Modular Control Equipment (USAF)
MCLOS	Manual Command Line of Sight
MCP	Micro Channel Plate
MCR	Multichannel Radio
MCRP	Marine Corps Reference Publication
MCWP	Marine Corps Warfighting Publication
Maverick	The AGM-65 air-to-ground missile (TV, laser, IR)
MDS	Mission Display System
Meaconing	The generation or retransmission of a radio navigational signal in order to confuse navigation
MEB	Marine Expeditionary Brigade

MEDEVAC	Medical Evacuation
<u>MEF</u>	Marine Expeditionary Force
MER	Multiple Ejector Rack
METMF	Meteorological Mobile Facility
METOC	Meteorology and Oceanography
METT-T	Mission, Enemy, Terrain & weather, Troops & fire support available - Time available
<u>MEU</u>	Marine Expeditionary Unit
MEWSS	Mobile Electronic Warfare Support System
MEZ	Missile Engagement Zone
MFD	Multi Function Display
MGRS	Military Grid Referencing System
MIDS	Military Integrated Data System
MIGCAP	MiG Combat Air Patrol
MIJI	Meaconing, Interference, Jamming, Intrusion
MIL	Short for milliradian (Trigonometric ratio denoting angular measurement) 10' = 17.78 mils 1' = 1 mil @ 1000' slant range 6400 mils in a circle
MIO	Maritime Interdiction Operation
<u>MISREP</u>	Joint Tactical Air Reconnaissance/Surveillance Mission Report
MITR	Maximum Instantaneous Turn Rate
<u>MIZ</u>	Missile Intercept Zone
MLA	Mission Load Allowance

MLG	Marine Liaison Group (formerly ANGLICO)
MLRS	Multiple Launch Rocket System
MMT	Marine Air Traffic Control Mobile Team
MOBA	Military Operations in Built up Areas
<u>MOOTW</u>	Military Operations Other Than War
MOPP	Mission Oriented Protective Posture
MOSS	Mobile Oceanography Support System
MOUT	Military Operations in Urban Terrain
MPCD	Multi Purpose Color Display
MPRS	Multiple Point Refueling System (USAF KC-130)
MPS	Mission Performance Standard
MRB	Motorized Rifle Battalion
MRBM	Medium Range Ballistic Missile
MRD	Motorized Rifle Division
MRI	Minimum Release Interval
<u>MRR</u>	<u>Minimum Risk Route</u> Motorized Rifle Regiment
MSALT	Military Survey and Liaison Team
<u>MSC</u>	Major Subordinate Command <u>Military Sealift Command</u>
MSEL	Master Scenario Events List
MSI	Multispectral Imagery
MSIC	Missile and Space Intelligence Center
MSL	Mean Sea Level

<u>MSPF</u>	Maritime Special Purpose Force
<u>MSSG</u>	MEU Service Support Group
MSR	Main Supply Route
MTACS	Marine Tactical Air Command Squadron
MTDS	Marine Tactical Data System
MTI	Moving Target Indicator
MULE	Modular Universal Laser Equipment
Music	Electronic Jamming observed on radar
Mutual Support	Two or more friendly aircraft providing each other aid in visual lookout, jamming, weapons employment, etc.
MUX	Multichannel/Multiplexed Radio Systems
MWCS	Marine Wing Communications Squadron
MWSG	Marine Wing Support Group
MWSS	Marine Wing Support Squadron
NAI	Named Areas of Interest
<u>NALE</u>	Navy Liaison Element
NATO	North Atlantic Treaty Organization
NATOPS	Naval Air Training and Operating Procedures Standardization Program
NAVFAC	Naval Facility
<u>NBC</u>	Nuclear, Biological, and Chemical
<u>NCA</u>	National Command Authority
NCTR	Non-Cooperative Target Recognition
<u>NEO</u>	Non-combatant Evacuation Operation

NFA	No-fire Area
<u>NGF</u>	Naval Gun Fire
NGLO	Naval Gunfire Liaison Officer
NIIRS	National Imagery Interpretation Rating Scale
NIMA	National Imagery and Mapping Agency
NIPRNET	Nonsecure Internet Protocol Router Network
NIS	National Intelligence Survey Naval Investigative Service
NISC	Naval Intelligence Support Center
NM	Nautical Mile
NOB	Naval Order of Battle
NOE	Nap Of the Earth
NOHD	Nominal Ocular Hazard Distance
No Joy	Refers to no visual contact with an enemy or flight <u>In air intercept, a code meaning, "I have been unsuccessful," or, "I have no information."</u>
NORAD	North American Air Defense Command
NORDO	Short for "no radio" (e.g., radio failure)
<u>NOTAM</u>	Notice to Airmen; flight advisory bulletins
NSA	National Security Agency
NSC	National Security Council Naval Space Command
<u>NSFS</u>	Naval Surface Fire Support
<u>NSWG</u>	Naval Special Warfare Group

<u>NSWTE</u>	Naval Special Warfare Task Element
<u>NSWTG</u>	Naval Special Warfare Task Group
<u>NSWTU</u>	Naval Special Warfare Task Unit
NTCSA	Naval Tactical Command System Afloat
NTDS	Naval Tactical Data System
NTS	Night Targeting System (AH-1)
<u>NUCINT</u>	Nuclear Intelligence
NVD	Night Vision Device
NVG	Night Vision Goggles
NVIS	Night Vision Imaging System
NWIP	Naval Warfare Information Publication
NWP	Naval Warfare Publication
OAAW	Offensive Anti-Air Warfare
OAS	Offensive Air Support
OAT	Outside Air Temperature
OCAC	Operation Control and Analysis Center
ODA	Optical Display Assembly
OGD	Obstacle Gain Defraction
OFP	Operational Flight Program
OIR	Other Intelligence Requirements
OLF	Outlying Field
ONC	Operational Navigation Chart (Scale 1:1,000,000)
OOB	Order of Battle

<u>OPCON</u>	Operational Control
<u>OPORD</u>	Operation Order
<u>OPLAN</u>	Operations Plan
<u>OPSEC</u>	Operations Security
OSC	On Scene Commander
OSCC	Operational System Control Center (SYSCON)
<u>OSINT</u>	Open Source Intelligence
OTC	Officer in Tactical Command
P	Priority
P _A	Probability of Acquisition
PAC	Pilot At Controls
Padlock	An aircraft or crewmember is dedicated to maintaining visual contact with an enemy aircraft.
PAR	Pulse Acquisition Radar (HAWK) Precision Approach Radar (MATC)
<u>PARROT</u>	Identification Friend or Foe transponder equipment
PAWS	Prototype Analyst Workstation
PCS	Portable Control Station
P _D	Probability of Detection
PDF	Principle Direction of Fire
PDS	Passive Detection System
PFPS	Portable Flight Planning Software
PGM	Precision Guided Munitions
PGU	Projectile Gun Unit

P_H	Probability of Hit
PHIBGRU	Amphibious Group
PHIBRON	Amphibious Squadron
<u>PHOTINT</u>	Photographic Intelligence
PHS	Pilot Helmet Sight
PIPP	Projectile Impact Point Prediction
P_K	Probability of Kill
PL	Phase Line
PLGR	Precision Lightweight GPS Receiver
PNAC	Pilot Not At Controls
<u>POL</u>	Petroleum, Oil, and Lubricants
Port	Left-hand side
POTS	Plain Old Telephone System
POW	Prisoner Of War
PP	Penetration Point
PQM	Pilot Qualified in Model
<u>PRF</u>	Pulse Repetition Frequency
PRI	Pulse Repetition interval
<u>PRCC</u>	Personnel Recovery Coordination Center
PRT	Pulse Recurrence Time
P_s	Measure of specific excess power. Measures the ability of an aircraft to maneuver with no loss of altitude.
<u>PSYOP</u>	Psychological Operations
<u>PSYWAR</u>	Psychological Warfare

P _T	Probability of Tracking
PUP	Pull Up Point
<u>PW</u>	Pulse Width
PWD	Pulse Width Discrimination
PZ	Pickup Zone
RAC	Refueling Area Commander
RADAR	Radio Detection And Ranging
RADCON	Radiation Control
RADHAZ	Radiation Hazard
<u>RADINT</u>	Radar Intelligence
RAOC	Rear Area Operations Center
RAP	Rocket Assisted Projectile Recognized Air Picture
RAS	Rear Area Security
RASO	Refueling Area and Safety Officer
<u>RCC</u>	Rescue Coordination Center
RCS	Radar Cross Section
Resume	In tactical maneuvering, usage code meaning resume original heading.
RESCAP	Rescue Combat Air Patrol
RESCORT	Rescue Escort
RF	Radio/Radar Frequency
RFA	Restricted Fire Area
RFC	Raid Force Commander

RFI	Request for Information
RFL	Restricted Firing Line
RGR	Rapid Ground Refueling
RHAW	Radar Homing and Warning (same as RWR)
RIO	Radio In/Out
RLT	Regimental Landing Team
RO	Radio/Radar Operator
ROA	Restricted Operations Area
ROC	Rules of Conduct Required Operational Capability Reconnaissance Operations Center
<u>ROE</u>	Rules of Engagement
ROZ	Restricted Operations Zone
RP	Rendezvous Point
RPV	Remotely Piloted Vehicle
RRC	Radar Resolution Cell
RRS	Remote Receiving Station
RRT	Radio Recon Team
RSI	Radar Signal Indicator
R&S	Reconnaissance and Surveillance
RT	Radio Transmission(s) or transmitters
<u>RTB</u>	Return to Base
RTF	Return To Force

RTM	Radar Terrain Masking
RWR	Radar Warning Receiver
SA	Situational Awareness
<u>SAAFR</u>	Standard Use Army Aircraft Flight Route
SAAWC	Sector Antiair Warfare Commander (USN)
SAC	Strategic Air Command Senior Air Coordinator (TACC)
SACC	Supporting Arms Coordination Center
SACLOS	Semi-Automatic Command Line of Sight
SAD	Senior Air Director (DASC/TAOC)
SADC	Sector Air Defense Commander
SADF	Sector Air Defense Facility
SAFE	Selected Area For Evasion
SAM	Surface-to-Air Missile
SAP	Semi Armor Piercing
SAPHEI	Semi Armor Piercing High Explosive Incendiary
SARC	Surveillance and Reconnaissance Center
<u>SAR</u>	<u>Search and Rescue</u> Synthetic Aperture Radar
SARH	Semi-Active Radar Homing
SARSAT	Search And Rescue Satellite Aided Tracking
SATCOM	Satellite Communications
SBF	Support By Fire Position
<u>SBU</u>	Special Boat Unit

SCAR	Strike Coordination and Armed Reconnaissance
SCATANA	Security of Air Traffic and Navigational Aids
Scatter	A call made to indicate that a flight should disperse according to a pre-arranged plan.
SCI	Sensitive Compartmented Information
SCIF	Sensitive Compartmented Information Facility
SCL	Standard Conventional Load
SCR	Single Channel Radio
<u>SEAD</u>	Suppression of Enemy Air Defense
<u>SEAL</u>	Sea, Air, Land (special warfare group)
SEAM	Sidewinder Expanded Acquisition Mode
SERE	Survival, Evasion, Resistance, Escape
SHF	Super High Frequency
<u>SHORADEZ</u>	Short Range Air Defense Engagement Zone
Shrike	AGM-45 ARM
<u>SICR</u>	Specific Intelligence Collection Requirement
SID	Surveillance Identification Director (TAOC)
Sidarm	AGM-122 ARM
Sidewinder	AIM-9 IR homing air-to-air missile
SIF	Selective Identification Features (a coded for of IFF)
<u>SIGINT</u>	Signals Intelligence
SINGARS	Single Channel Ground and Airborne Radio System
SITREP	Situation Report

SIPRNET	Secret Internet Protocol Router Network
SLAP	Solar/Lunar Almanac Program
SLAR/SLR	Side-looking Airborne Radar
SMC	SAR Mission Coordinator
SO	Surveillance Operator (TAOC)
<u>SOC</u>	Special Operations Capable; MEU(SOC) <u>Special Operations Command</u>
<u>SOF</u>	Special Operations Forces
<u>SOFA</u>	Status Of Forces Agreement
SOJ	Stand-off Jamming
SOP	Standard Operating Procedure
<u>Sortie</u>	In air operations, an operational flight by one aircraft
Sparrow	The AIM-7 SARH air-to-air missile
Sparrowhawk	Quick reaction helicopterborne platoon
SPE	Systems Planning & Engineering
SPEAR	Strike Projection Evaluation and Anti-air Warfare Research
SPIE	Special Patrol Insertion/Extraction
Spintcom	Special Intelligence Communications
Spotrep	A voice report that gives Situation, Position, Observation, Time
Squawk	To identify oneself by means of IFF
SRAM	Short-Range Attack Missile (AGM-69)
SRBM	Short-Range Ballistic Missile
SRIG	Surveillance, Reconnaissance, Intelligence Group

SSES	Ships Signals Exploitation
SSM	Surface-to-surface Missile
SSO	Special Security Office(r)
Starboard	Right-hand side
STD	Senior Traffic Director (TAOC)
STOL	Short Take-off and Landing
<u>STOVL</u>	Short Takeoff and Vertical Landing aircraft
STUF	Simulated Tactical Use Flare
SWD	Senior Weapons Director (TAOC)
SWO	Senior Watch Officer
TAC	Tactical Air Commander (USMC)
TAC(A)	Tactical Air Coordinator (Airborne)
<u>TACAN</u>	Tactical Air Navigation Aid
<u>TACC</u>	Tactical Air Command Center (USMC) <u>Tactical Air Control Center</u> (USN) <u>Tanker Airlift Control Center</u>
TACGRU	Tactical Control Group (USN)
<u>TACON</u>	Tactical Control
TACP	Tactical Air Control Party (USMC/USAF)
TACRON	Tactical Control Squadron (USN)
TACS	Theater Airspace Control System (USAF)
TACTS	Tactical Aircrew Combat Training System
TAD	Tactical Air Direction (Net) Tactical Air Director

TADC	Tactical Air Direction Center
TADIL	Tactical Digital Information Link
<u>TADIL- A</u>	A datalink that employs two or more stations (HF or UHF) in a netted configuration
<u>TADIL- B</u>	A point to point datalink (multi-channel or wire).
<u>TADIL- C</u>	A UHF datalink used between air control agencies and interceptors
<u>TADIL-J</u>	A secure UHF, Jam resistant datalink which uses JTIDS for information exchange from air, ground, maritime, EW and intelligence platform.
TADIX	Tactical Data Information Exchange
TAI	Target Area of Interest
TAFDS	Tactical Airfield Fuel Dispensing System
Tally	Refers to visual contact with a hostile aircraft or flight.
TAMPS	Tactical Aircrew Mission Planning System
TAOC	Tactical Air Operations Center
TAOM	Tactical Air Operations Module
<u>TAOR</u>	Tactical Area Of Responsibility
TAR	Tactical Air Request (Net)
TARCAP	Target Combat Air Patrol
TARPS	Tactical Aerial Reconnaissance Pod System (F-14)
TASM	Tactical Air to Surface Missile
TASS	Tactical Automated Switching System
TATC	Tactical Air Traffic Control (Net) Tactical Air Traffic Controller (TAOC/DASC)
TBFDS	Tactical Bulk Fuel Delivery System

TBMCS	Theater Battle Management Core System
TCA	Terminal Control Area Tactical Control Assistant
TCAC	Technical Control and Analysis Center
TCO	Tactical Combat Operations
TD	Target Designator
TDAR	Tactical Defense Alert Radar (LAAD)
TDC	Track Data Coordinator
TDCC	Tactical Data Communication Central
TDMA	Time Division Multiple Access
TEAMS	Tactical EA-6B Mission Planning System
TECHCON	Technical Control Facility
TEEP	Training Exercise Employment Plan
TEL	Transporter Erector Launcher
<u>TELINT</u>	Telemetry Intelligence
TENCAP	Tactical Exploitation of National Capabilities
TERF	Terrain Flight
Terminate	Call made to end a single ACM/DM training engagement or maneuver. Used when learning objectives have been met or safety parameters exceeded.
TERPES	Tactical Electronic Reconnaissance Processing & Evaluation System
TERS	Tactical Event Reporting System
TEWT	Tactical Exercise Without Troops
TGT	Target

THAAD	Theater High Altitude Air Defense
<u>TIP</u>	Tactical Information Processing and Interpretation system
TIS	Thermal Imaging System
TLAM	Tomahawk Land Attack Missile
TLZ	Temporary Landing Zone
<u>TMD</u>	Theater Missile Defense
TO	Takeoff
<u>TOC</u>	Tactical Operations Center
TOF	Time Of Flight
<u>TOPINT</u>	Technical Operational Intelligence
TOS	Time On Station
TOT	Time On Target
TOW	Tube Launched, Optically Tracked, Wire-Guided Anti tank Missile
TPFDL	Time Phased Force Deployment List
TRAP	Tactical Recovery of Aircraft and Personnel
TRAP BROADCAST	Tactical and Related Applications Broadcast
TRE	Tactical Receive Equipment
TRUE	Training in an Urban Environment
TRP	Target Reference Point
TSDF	Time Slot Duty Factor
TTO	Transit to Objective
TTR	Target Track Radar

TTT	Time To Target
TUT	Technology upgrade to TEAMS
TWS	Track While Scan
<u>UAV</u>	Unmanned Aerial Vehicle
UHF	Ultra-high Frequency
UTM	Universal Transverse Mercator
<u>UW</u>	Unconventional Warfare
VBSS	Visit Board Search and Seizure
V _c	Closing Velocity
Visual	Refers to contact with an aircrew's wingman
VFR	Visual Flight Rules
VHF	Very-high Frequency
VID	Visual Identification
VISCAP	Visual (Non-Radar) Combat Air Patrol
VMA	Marine Fixed Wing Attack Squadron
VMAQ	Marine Fixed Wing Electronic Attack Squadron
<u>VMC</u>	Visual Meteorological Conditions
VMFA	Marine Fixed Wing Fighter Attack Squadron
VMGR	Marine Fixed Wing Aerial Refueling Transport Squadron
<u>V/STOL</u>	Vertical/Short Takeoff and Landing aircraft
VT	Variable Time Fuze
WARP	Wing Aerial Refueling Pod
<u>WEZ</u>	Weapons Engagement Zone

WP	White Phosphorous
WSO	Weapons Systems Officer
WTI	Weapons and Tactics Instructor
WTL	Weapon Target Line
WTTP	Weapons and Tactics Training Program
WX	Weather
WWMCCS	World-Wide Military Command and Control System
XRT	Cross Range Travel
<u>Z</u>	ZULU (Universal Time)
ZIPPO	Zone Inspection Planning Preparation and Operation brief

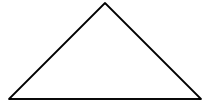
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MILITARY SYMBOLS

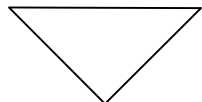
I. Basic Symbol. Geometric Figures form the basic symbols which represent units, installations and activities.



Unit



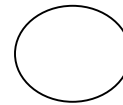
Observation Post



Electronic Installation

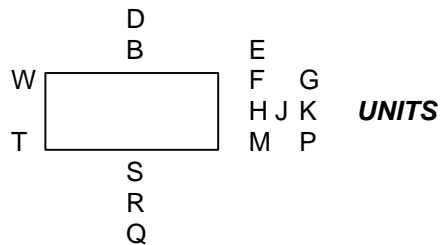


Headquarters



Logistical
Medical or Admin
Installation

II. Location and Content of Fields. Each basic symbol requires minimal additional information to be clearly understood. This information is conveyed by its placement around the basic symbol in designated fields. Certain fields are mandatory and other are optional. The following subparagraphs contain a discussion of the most commonly used fields.



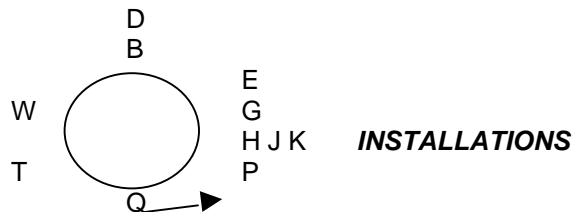
UNITS

Mandatory Fields:

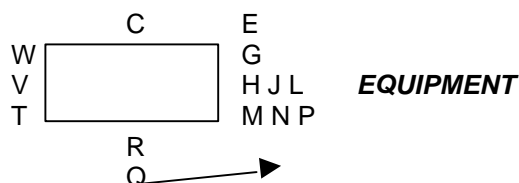
- A Role Indicator
- B Size Indicator
- T Unique Designation
- P Addressing Number (for enemy units)

Conditional Fields:

- D Special Size Indicator
- F Reinforced or Deattached
- N Enemy (when no coloring is used)



INSTALLATIONS












EQUIPMENT

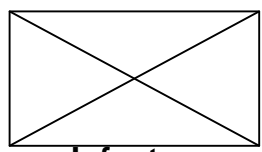
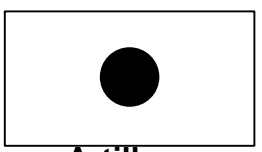

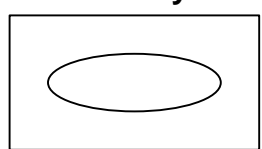
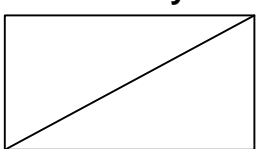
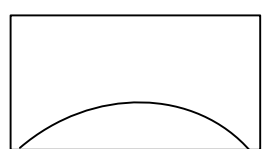
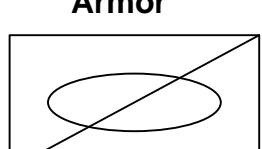
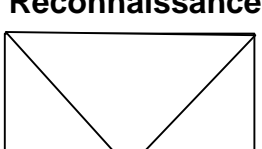
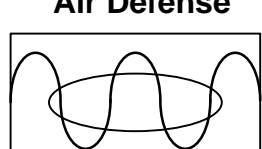
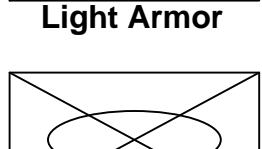
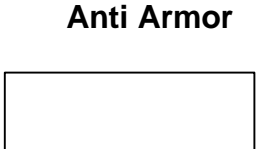
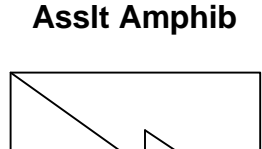

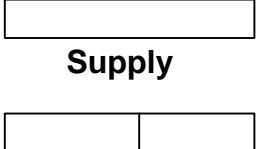
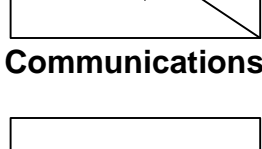
Optional Fields:

- C Quantity of Equipment
- E Unconfirmed Reporting (indicated by "?")
- G Additional Information
- H Free Text
- J Evaluation Rating
- K Combat Effectiveness
- L Electronic Signature Equipment (indicated by "!")
- M Higher Headquarters
- Q Direction of Movement Arrow
- R Mobility Indicator
- S Headquarters Representation (ex. FWD)
- V Type of Equipment
- W Date Time Group

III. Unit Size. The size of the units and installations is shown by placing the appropriate size indicator directly above the basic symbol (**Field “B”**).

	Squad		Company / Battery
	Section		Battalion
	Platoon		Regiment
	Brigade		
	Division		
	Corps / MEF		

IV. Role Indicator. The type or function symbols are placed inside the basic symbol (**Field A**). Symbols can be combined with one another to show an exact function or capability of the depicted unit. When no functional symbol is provided, an accepted abbreviation may be written inside the basic symbol.

		
Infantry	Artillery	Electronic Warfare
		
Armor	Reconnaissance	Air Defense
		
Light Armor	Anti Armor	Asslt Amphib
		
Mech Infantry	Supply	Communications
		
Engineer	Medical	Maintenance

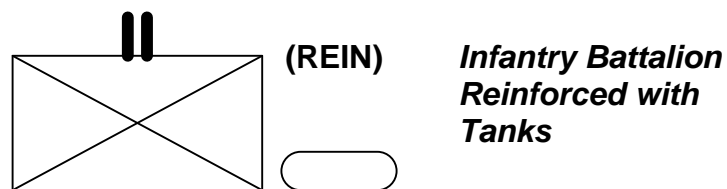
V. Reinforcements and Detachments. If a unit is reinforced or has a detached element, this is indicated to the right of the basic symbol in **Field F**.

Reinforced	(+) or (REIN)
Detached	(-)
With Detachments and Reinforcements	(-)(+) or (-)(REIN)

VI. Unique Designations and Higher Formations. The identity of the unit is located to the left of the basic symbol in **Field T**. The unique designation must be consistent with the size indicator. The identity of the higher headquarters is located to the right of the basic symbol in **Field M**.

VII. Special Size Indicators. A cap drawn in **Field D** over the size indicator designates a temporary grouping or task force.

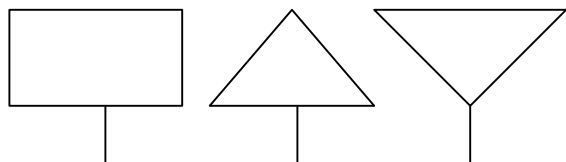
VIII. Free Text. **Field H** contains additional information not indicated elsewhere. For example:



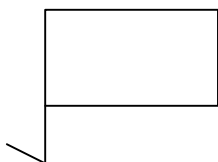
IX. Mobility Indicator. The type of mobility is shown beneath the basic unit or equipment symbol in **Field R**.

	Amphibious
	Wheeled
	Wheeled Cross-Country
	Trailer or Towed Vehicle
	Oversnow
	Tracked
	Wheeled/Track Combination

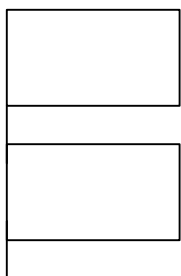
X. Precise Locations. The following methods are used to indicate precise locations:



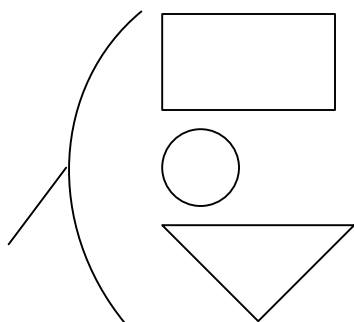
Basic symbols, other than Headquarters, may be placed on a staff which is extended or bent as required. The end of the staff indicates the precise location of the unit depicted.



Since the Headquarters symbol already has a staff, the staff is then extended or bent. The end of the staff indicates the precise location of the Headquarters.

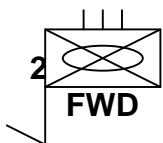


If a several headquarters are at one location, more than one symbol may be placed on a single staff.



If a group of units or installations other than headquarters is at one location, the grouping of symbols may be enclosed in a bracket and the exact location indicated by a line.

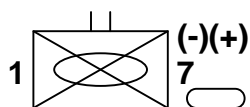
XI. Examples.



2d Marines, Forward CP, on AAVs



Alfa Battery, 12th Marines, Observation Post



1st Battalion, 7th Marines (minus) (reinforced) with Tanks, Mechanized